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## MUFACTURE, SHIPMENTS OF HYDRAULIC STRAM ENGINE FOR SUVIET PARME

COMPLETE SHIFTONT TO GES BUILDERS -- Baku, Eskinskiy Rebochiy, 11 May 52

The Leningrad Metal Plant imeni Stalin is completing shipment of a hydroturbine to the builders of the Mingechaur GES one month ahead of schedule. A change in the design of the spiral chamber and hebrication system is effecting a saving of 30 tons of metal for each such hydroturbine.

Moscow, Pravda, 19 May 52

On 17 May the Leningrad Metal Plant imeni Stalin recoived an order to build hydroturbines for the Knybyshev GES. These turbines, together with the generators, will be 40 meters high, and will have six-bladed runners weighing 100 tons. The working drawings of the new turbines are being made in the plant design bureau.

Baks, Bakinskiy Rabochiy, 18 May 52

The Leningrad Metal Plant imeni Stalin has begun shipping out the first 25,000-kilowatt high-pressure condenser turbine. With the completion of this turbine, the plant has established an entire series of high-pressure turbines developed by plant designers.

The high-pressure condenser turbine is used solely to generate electricity and is easier to control than the type which also provides industrial steam.

The plant is now completing two more turbines of the same type

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COMPLETES TURBINE BARLY -- Moscow, Izvestiys, 25 Apr 52

The fourth machine shop of the Leningrad Nevskiy Plant iveni Lenin has complated a turbine cheek of plan. The shop has pledged to complete another above-plan turbine by May Day.

ASSEMBLES 500-XW MODEL -- Yerevan, Kommunist, 4 Apr 52

The Yorevan Small Hydroturbines Plant is now assembling a 500-kilowatt hydroturbine on which work was begun in January 1952.

NEW DESIGN SAVES METAL -- Ashkhabad, Turkmenskaya Iskra, 30 Apr 52

A change in the technology of manufacturing steam turbines at the Khar kov Turbegonerator Flant imeni Kirov is saving over 10 tons of metal for each turbine. The cylinder, formerly built up of eight cast parts, is now made of only two parts. Fewer parts are now going into the reduction-gear housing.

RETABLISH UNIT ASSEMBLY METHOD -- Vil'nyus, Sovetskaya Litva, 6 Apr 52

Turbine builders in the Kaunas Pergalye Flant have established the unit assembly method there. Under this method, a whole series of machines is assembled simultaneously. This has raised labor productivity and tripled the output of turbines in comparison with 1951 figures.

NEW STRAM ENGINE BURNS LESS FUEL THAN LOCCHOBILE -- Moscow, Moskovskaya Pravda, 23 Apr 52

The Kolkhoz imeni voroshilov, Bromitskiy Rayon, recently acquired a new LPU-1 steam power plant, developed by a group from the All-Union Institute for Rechamization of Agriculture. The engine was designed by A. Demin, director of the institute's leboratory of steam power units.

The LPU-1 weighs half as much as a locomobile, and burns half as much fuel. Instead of expelling exhaust steam into the air, as does a locomobile, it completely utilizes it for the needs of a livestock farm. It burns pect, automatically fed into the firebox from bunkers at the rate of 700 kilograms a day. The aggregate is compact, measuring 2.7 meters long with the generator, 1.2 meters wide, and 2 meters high without stacks.

ARTEL MAKES MANY ITEMS -- Moscow, Vechernyaya Moskva, 17 May 52

The Moscow Kotlotopstroy Artel makes over 100 different items, from shovels to heavy locomobiles. Its Cornwall boilers are serving the muximpal needs of the builders of the Main Turkmen Canal, its gas containers are found in Moscow dwellings, and others of its products have gone into the Moscow State University building.

SPPCIAL UNIT CLEARS FEED WATER -- Kiew, Pravda Ukrainy, 10 Apr 52

Boiler scale can have a highly deleterious effect on power plants, on the functions of boilers in general, and on the industrial establishments which they serve. The Dunayevtsy Cloth Factory, and the Kiev Thermon and Glass Plant, for

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example, suffer from respect steam output and excessive fuel consumption. The consumption of the consumption

Bow many industrial enterprises apply a new, so-called "Assmal softening" method of cleaning feed water, evolved by Stalin Prize winners Colubtsov and Burker. This method is giving excellent results wherever it is applied.

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